

FORM PTO-1390 MODIFIED	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY'S DOCKET NUMBER 4662-276
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) 10/591118
INTERNATIONAL APPLICATION NO. PCT/EP2005/002374	INTERNATIONAL FILING DATE 4 March 2005	PRIORITY DATE CLAIMED 5 March 2004 and 27 September 2004
TITLE OF INVENTION PROCESS FOR CELL CULTURING BY CONTINUOUS PERFUSION AND ALTERNATING TANGENTIAL FLOW		
APPLICANT(S) FOR DO/EO/US CROWLEY et al		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.		
2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.		
3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.		
4. <input type="checkbox"/> The U.S. has been elected (Article 31).		
5. A copy of the International Application as filed (35 U.S.C. 371(c)(2)).		
a. <input checked="" type="checkbox"/> is attached hereto (16 pages specification, claims & abstract (15 claims), 8 sheets drawings).		
b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.		
c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).		
6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(3))		
a. <input type="checkbox"/> is attached hereto (pages specification, claims & abstract (claims), sheets drawings, page Certificate of Translation).		
b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).		
7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))		
a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).		
b. <input type="checkbox"/> have been communicated by the International Bureau.		
c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.		
d. <input type="checkbox"/> have not been made and will not be made.		
8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).		
9. a. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).		
b. <input type="checkbox"/> Declaration was submitted to the International Bureau during International Phase (see copies of Declaration (page Form PCT/RO/101 and Form PCT/IB/371 and first page of printed publication acknowledging receipt thereof attached).		
10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).		
Items 11 To 20 below concern document(s) or information included:		
11. <input type="checkbox"/> An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98.		
12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.		
13. a. <input checked="" type="checkbox"/> A FIRST preliminary amendment.		
b. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment.		
14. <input type="checkbox"/> An Application Data Sheet under 37 C.F.R. § 1.76.		
15. <input type="checkbox"/> A substitute specification.		
16. <input type="checkbox"/> A change of power of attorney and/or address letter.		
17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.		
18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).		
19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).		
20. <input checked="" type="checkbox"/> Other items or information. Front page published WO 2005/095578 A1		

U.S. APPLICATION NO. (if known, see 37 C.F.R. 1.51) Unknown				INTERNATIONAL APPLICATION NO. 10/591118		ATTORNEY'S DOCKET NUMBER PCT/EP2005/002374		ATTORNEY'S DOCKET NUMBER 4662-276	
<input checked="" type="checkbox"/> The following fees are submitted:									
BASIC NATIONAL FEE (37 C.F.R. 1.492(a)(1)-(5)):									
21. <input checked="" type="checkbox"/> Basic national fee		\$300.00 (1631)/\$150.00 (2631)				\$		300.00	
22. <input checked="" type="checkbox"/> Examination Fee.....		\$0 (1643/2643)				\$		200.00	
23. <input checked="" type="checkbox"/> Search Fee		\$0 (1640/2640)							
		\$100 (1641)/\$50 (2641)							
		\$400 (1642)/\$200 (2642)							
		\$500.00 (1632)/\$250.00 (2632)				\$		400.00	
TOTAL OF ABOVE CALCULATIONS						\$		900.00	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.									
Total Sheets		Extra Sheets		Number of each additional 50 or fraction thereof (round up to a whole number)		RATE			
0 -100		0 /50 =		0.00		\$0.00 (1681)		\$	
						\$0.00 (2681)			
Surcharge of \$130.00 (1617)/\$65.00 (2617) for furnishing the oath or declaration later than <input checked="" type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. 1.492(e)).								\$ 130.00	
CLAIMS		NUMBER FILED		# EXTRA		RATE			
Total Claims		15 minus 20 =		0 X		\$50.00 (1615)/ \$25.00 (2615)		\$	
Independent Claims		1 minus 3 =		0 X		\$200.00 (1614) \$100.00 (2614)		\$	
MULTIPLE DEPENDENT CLAIMS(S) (if applicable)						\$360.00 (1616)/\$180.00 (2616)		\$ 0.00	
Petition is hereby made to extend the current due date so as to cover the filing date of this paper and attachment(s): One Month Extension \$120.00 (1251)/\$60.00 (2251); Two Month Extensions \$450.00 (1252)/\$225.00 (2252); Three Month Extensions \$1020.00 (1253)/\$510.00 (2253); Four Month Extensions \$1590.00 (1254)/\$795.00 (2254)								\$ 0.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.									
Processing fee of \$130.00 (1618), for furnishing the English Translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. 1.492(f)).								+ 0.00	
TOTAL NATIONAL FEE =								\$ 1030.00	
Fee for recording the enclosed assignment (37 C.F.R. 1.21(h). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$40.00 (8021) per property								+ \$ 0.00	
Fee for Petition to Revive Unintentionally Abandoned Application; \$1500.00 (1453) / \$750.00 (2453)								\$ 0.00	
TOTAL FEES ENCLOSED =								\$ 1030.00	
								Amount to be refunded:	
								\$	
								Amount to be Charged:	
								\$	

- a. ☐ A check in the amount of \$1030.00 to cover the above fees is enclosed.
 b. ☐ Please charge my Deposit Account No. 14-1140 in the amount of \$_____ to cover the above fees.
 A duplicate copy of this form is enclosed.

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- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-1140. A duplicate copy of this form is enclosed.
- d. ☒ **CREDIT CARD PAYMENT FORM ATTACHED.**
- e. ☒ The entire content of International Application No. PCT/EP2005/002374 and any U.S. and foreign application(s) corresponding thereto, and EP 04075703.1; EP 04075702.3; EP 04077656.9; EP 04077657.7, referred to in this application is/are hereby incorporated by reference in this application.

NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b) must be filed and granted to restore the application to pending status.

CORRESPONDENCE ADDRESS

Direct all correspondence to:

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for  33363
Bryan H. Davidson

NAME

30,251

August 30, 2006

REGISTRATION NUMBER

Date